## PATENT ABSTRACTS OF JAPAN

(11)Publication number:

07-142169

(43)Date of publication of application: 02.06.1995

(51)Int.CI.

H05B 33/14 H05B 33/22

(21)Application number: 05-285218

(71)Applicant: MITSUBISHI CHEM CORP

(22)Date of filing:

15.11.1993

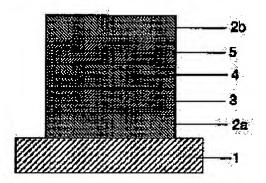
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## (54) ORGANIC ELECTROLUMINESCENCE ELEMENT

## (57)Abstract:

PURPOSE: To maintain the stable white luminescence characteristic over a long period by laminating a blue luminescence layer and a green luminescence layer in sequence from a positive hole transportation layer side on an organic luminescence layer, and providing a region containing a red fluorescent dye on the green luminescence layer.

CONSTITUTION: Conducting layers 2a, 2b and a positive hole transportation layer 3 are provided on a substrate 1, and an organic blue luminescence layer 4 is provided on the layer 3. The layer 4 is made of a compound capable of efficiently transporting the electrons implanted from a cathode in the direction of the layer 3 between electrodes applied with the electric field. The compound having high electron implantation efficiency from the layer 2b and capable of efficiently transporting the implanted electrons is used for the layer 4. An organic green luminescence layer 5 is provided on the layer 4, and a compound having high electron implantation efficiency from the layer 2b and



capable of efficiently transporting the implanted electrons is used for the layer 5 like the material used for the layer 4. A region containing a red fluorescent dye is provided on the layer 5.

## **LEGAL STATUS**

[Date of request for examination]

18.09.2000

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted r gistration]

[Date of final disposal for application]

[Patent number]

[Date of registration]
[Number of appeal against examiner's decision of rejection]
[Date of requesting appeal against examiner's decision of r jection]
[Date of extinction of right]

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